

In re: Appln No. 10/686,337
Amendment dated September 14, 2006
Reply to Office action of June 19, 2006

Remarks

Claims 1 -- 22 were pending prior to the present amendment. Upon entry of the present amendment, Claims 1-5, 7-9, 15, 16, and 20-22 are canceled. Claims 6, 10-14, and 17-19 are amended claims to correct for informalities and to limit the scope per cited prior art. Claims 23-29 are new claims. Only two independent claims are pending and the total number of claims remains less than twenty two, it is believed that no additional claim fees are required.

35 USC 102(b): Claim Rejections

The Examiner cited for Claims 1-5, 7-10, 12-14 and 20-21 the specific rejection as being anticipated by Liepens et al (US 4,876,032). Where the Applicant has not traversed, Applicant thanks the Examiner for the careful examination that uncovered this prior art. Applicant has addressed this rejection by canceling claims 1-5, 7-9, 15, 16, and 20-22, and amending claims 6, 10-14, and 17-19.

The Examiner also cited for Claims 1-5, 7-18, and 20-21 the specific rejection as being anticipated by Piale (US 5,558,811). Where the Applicant has not traversed, Applicant thanks the Examiner for the careful examination that uncovered this prior art. Applicant has addressed this rejection by canceling claims 1-5, 7-9, 15, 16, and 20-22, and amending claims 6, 10-14, and 17-19.

Claim 6 was rewritten to overcome the rejections by amending to include all of the limitations of the base claim and all intervening claims.

New independent Claim 23 and its dependent Claims 10-14 and 17-19 combines the original Claim 1 and Claim 12, which is not anticipated by either '032 or '811 as the quantum dots of Claim 12 uniquely enhance the conversion of photons to electrons.

New independent Claim 30 and its dependent Claims 31-34 utilizes nanoscale electrides and alkalides within a heat transfer fluid composition, which is not anticipated by either '032 or '811 as the solution is not an intermediary step in the creation of a product, but rather the actual

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solution utilized within products requiring a heat transfer fluid as a means to enhance the phonon to electron conversion.

Because the Examiner's rejections have been overcome, Applicant respectfully requests withdrawal of these rejections.

35 USC 103(a); Claim Rejections

The Examiner cited for Claims 17-19 and 22 the specific rejection as being anticipated by Liepens et al (US 4,876,032) in view of (Report # A4000763, Rochester Univ. NY Dept. Chem. Eng. Dated 16-Aug-1999). Where the Applicant has not traversed, Applicant thanks the Examiner for the careful examination that uncovered this prior art. Applicant has addressed this rejection by canceling claim 22, and amending claims 17-19.

Summary

Applicant respectfully submits that the presently pending claims have overcome the Examiner's objections. Accordingly, Applicant respectfully request allowance of the pending claims. Should the Examiner require any further information or wish to discuss any aspect of this Response, Applicant respectfully request that the Examiner contact the undersigned at the telephone number listed below. It is believed that no fees are required for this filing.

Respectfully submitted.

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